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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/050,488	01/16/2002	Shen-Chun Kuo	CD01351	7695
24265 75	590 05/01/2003			
SCHERING-PLOUGH CORPORATION PATENT DEPARTMENT (K-6-1, 1990) 2000 GALLOPING HILL ROAD			EXAMINER	
			BALASUBRAMANIAN, VENKATARAMAN	
KENILWOKI	гн, NJ 07033-0530		ART UNIT	PAPER NUMBER
			1624	,
			DATE MAILED: 05/01/2003	4

Please find below and/or attached an Office communication concerning this application or proceeding.

~ (<i>,</i> _	_			
		Application No.	Applicant(s)		
		10/050,488	KUO ET AL.		
(Office Action Summary	Examiner	Art Unit		
		Venkataraman Balasubramanian	1624		
	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply				
THE MAII - Extensions after SIX (6 - If the perio - If NO perio - Failure to r - Any reply r earned pat	ENED STATUTORY PERIOD FOR REPLY LING DATE OF THIS COMMUNICATION. of time may be available under the provisions of 37 CFR 1.13 (b) MONTHS from the mailing date of this communication. If for reply specified above is less than thirty (30) days, a reply of for reply is specified above, the maximum statutory period we apply within the set or extended period for reply will, by statute, acceived by the Office later than three months after the mailing ent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE.	ely filed s will be considered timely. the mailing date of this communication. O (35 U.S.C. § 133).		
Status					
· <u> </u>	sponsive to communication(s) filed on				
<i>'</i> —	,—	is action is non-final.			
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims					
· <u> </u>	$m(s) \frac{1-30}{s}$ is/are pending in the application				
-	Of the above claim(s) is/are withdray				
	m(s) is/are allowed.				
	m(s) is/are rejected.				
	m(s) is/are objected to.				
•	m(s) $\frac{1-30}{2}$ are subject to restriction and/or ϵ	election requirement.			
Application Papers					
9) <u></u> The	specification is objected to by the Examiner	r.			
10) The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
11)☐ The proposed drawing correction filed on is: a)☐ approved b)☐ disapproved by the Examiner.					
If approved, corrected drawings are required in reply to this Office action.					
12) The oath or declaration is objected to by the Examiner.					
Priority unde	r 35 U.S.C. §§ 119 and 120				
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).					
a) <u></u> A	l b)☐ Some * c)☐ None of:				
1.[Certified copies of the priority documents	s have been received.			
2.	Certified copies of the priority documents	s have been received in Application	on No		
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).					
a) ☐ The translation of the foreign language provisional application has been received. 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.					
Attachment(s)					
1) Notice of F	teferences Cited (PTO-892) Praftsperson's Patent Drawing Review (PTO-948) In Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informal P	(PTO-413) Paper No(s) atent Application (PTO-152)		
	. 00				

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DETAILED ACTION

Claims 1-30 are pending.

Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- 1. Claims 1-24, drawn to a process of making bicyclotetrazine of formula shown in claim 1, and process of making its intermediates, classified in class 544, subclass 179, class 548, subclass 326.5, class 558, subclasses 426, 452.
- II. Claims 18-20, 26, drawn to intermediate compound of formula II, III, V and compound 8, 6, 5, and their acid addition salts classified in class 544, subclass 179, class 548, subclass 326.5, class 558, subclasses 426, 452.
- III. Claims 18-20, 25-26, drawn to compound of formula VI and compound 4, its acid addition salt, classified in class 558, subclass 426.
- IV. Claims 18-20, 27, drawn to compound of formula IV and compound 13, its acid addition salts, classified in class 558, subclass 452.
- V. Claims 20, 26, drawn to compound 17 and its acid addition salt, classified in class 548, subclass 326.5.

The inventions are distinct, each from the other because of the following reasons:

Inventions II, III, IV and V are independent and distinct from each other because they are directed to dissimilar compounds varying core such as bicyclotetrazine, imidazole, oximino or aminonitriles. Consequently, the groups have different classifications and require separate prior art searches. Their method of making and their

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uses are distinct as evidenced by applicants' specification and several references cited in the Information Disclosure Statement. See all Wang et al. references, Lunt et al and Stevens et al. Art, which may render obvious or anticipate one of the groups would not necessarily do the same for the other group. Each can support a patent, as the compounds of each group are capable of being utilized alone not in combination with other members listed in the Markush group. In addition, searching all intermediates classes/subclasses, which is a mandatory, would be a serious search burden given limited time available for examination of each application.

Inventions I & II-V are related as intermediate products and process of using these intermediate products to make the final bicylcotetrazine, which is a known prior art compound. The inventions can be shown to be distinct if either or both of the following can be shown: (1) the process for using these intermediate products as claimed can be practiced with another materially different product or (2) the product as claimed can be used in a materially different process of using that product (MPEP § 806.05(h)). In the instant case, the process of making the compound of claim 1 can be can be practiced with another materially different product. See references cited in the IDS. Similarly, it is clear from the claims that the process of using can be practiced with materially different products (see Lunt et al. and Stevens et al.).

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

Due to the distinct nature of the inventions a restriction is set forth in writing.

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Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be

traversed (37 CFR 1.143).

Applicant is reminded that upon the cancellation of claims to a non-elected

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invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one

or more of the currently named inventors is no longer an inventor of at least one claim

remaining in the application. Any amendment of inventorship must be accompanied by

a petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(I).

Conclusion

Any inquiry concerning this communication from the examiner should be

addressed to Venkataraman Balasubramanian (Bala) whose telephone number is (703)

305-1674. The examiner can normally be reached on Monday through Thursday from

8.00 AM to 6.00 PM. The Supervisory Patent Examiner (SPE) of the art unit 1624 is

Mukund Shah whose telephone number is (703) 308-4716.

The fax phone number for the organization where this application or proceeding

is assigned (703) 308-4556.

Any inquiry of a general nature or relating to the status of this application or

proceeding should be directed to the receptionist whose telephone number is (703) 308-

1235.

enkataraman Balasubramanian

04/30/2003